

ABSTRACT OF THE DISCLOSURE

It is intended to provide a three-dimensional scaffolds appropriate for culturing animal cells such as chondrocytes and fibroblasts. These three-dimensional scaffolds which comprise a chitosan/acidic biopolymers hybrid fibers composed of chitosan or its salts in the inside of the fiber and complexes of chitosan with biodegradable acidic biopolymers coating the fiber surface, are made of fibers capable of retaining their shapes after allowing to stand Dulbecco's modified Eagle's medium (DMEM) containing 10 % of FBS (fetal bovine serum) at room temperature for 2 weeks.